The 4th International Professor's Day on ICT Algorithm Design Huawei Russian Research Centre

in conjunction with The Institute for Information Transmission Problems RAS

Technical Program for Day 1st, November 30th

9:00-9:30	Registration and Coffee			
	Plenary Session. Moderator - Vladimir Ivanov Yaroslavl Hall			
9:30-10:00	Dr. Zhou Hong President, Huawei European Research Institute Welcome Speech - "Enable Future Life and Future Industry"			
10:00-10:30	Dr. Sc. Andrey Soboloevsky Director, The Institute of Information Transmission Problems, Russian Academy of Science IITP Introduction Dmitry Nikolaev Vice-Director , The Institute of Information Transmission Problems, Russian Academy of Science "Recognition of documents with fixed layout on a mobile device: coarse-to-fine approach"			
10:30-10:50	Dr. Li Jiang Director, Media Engineering Dept "Challenges for Smartphone Media Functions"			
10:50-11:10	Zhu Erni Senior Technical Expert, Director, Wireless IRF Research Dept "From Business Opportunities to Technological Innovation: Key Technological Challenges for Wireless Competitiveness"			
11:10-11:30	Huang Jianjie Director, Channel Algorithm Platform Dept "Task and challenge for network channel algorithm"			
11:30-11:45	Coffee Break Dr. Sc. Andrey Raigorodsky			
11:45-12:05	"Graph colorings and applications"			
12:05-12:25	Xia Lilin Head, Huawei Sensor Application LAB "The trends and challenges of sensor applications in consumer products"			
12:25-12:45	Yan Youliang Director, HCI Lab "Huawei AI Research and planning"			
12:45-13:00 13:00-14:00	Best 2016-2017 Project Awarding Ceremony Lunch			
13.00-14.00	Wireless & Network Algorithms	Information Theory	Non-linear Signal Processing	Media & Artificial Intelligence
	Chair - Vladimir Lyashev Sloboda Hall	Chair - Alexey Maevskiy Kostroma Hall	Chair - Andrey Vorobyev Vladimir Hall	Chair - Ivan Mazurenko Yaroslavl Hall
14:00-14:30	Evgeny Khorov (The Institute for Information Transmission Problems, Russian Academy of Science) "xStream: Communication between the Application and	Jie Jin (Huawei Technologies Co., Ltd.) "Directions and challenges in channel coding"	Elena Slovieva (Saint-Petersburg Electrotechnical University) "Behavioral Non-linear Models of Digital Systems Based on Neural Networks"	Valery Dementienko (Nuerocom) " Online driver vigilance monitoring system"
14:30-15:00	Slawomir Stanczak (Berlin Technical University) "Machine Learning for 5G and beyond"	Eugeny Krouk (Higher School of Economics) "Code-based Privacy"	Dmitry Ivanov (Samara State University of Transport) "Identification nonlinear dynamical systems fractional order with errors-in-variables"	Mikhhail Burtsev (Moscow Institute of Physics and Technologies) "iPavlov: Conversational Intelligence Project"
15:00-15:30	Ivan Oseledets (Skolkovo Institute of Science and Technology, Scientific Computing Lab) "Matrices, tensors, deep neural networks for MU-MIMO systems"	Ido Tal (Israel Institute of Technology, Technion)	Sergey Turitsyn (Novosibirsk Branch of Russian Academy of Science) "Technologies for nonlinear cross-talk suppression in fiber channels"	Egor Ershov (The Institute for Information Transmission Problems, Russian Academy of Science) "Three-dimensional fast Hough transforms"
15:30-16:00	Evgeny Bykov (Skolkovo Institute of Science and Technology, IoT lab) "Reinforcement Learning (Q-learning) usage in wireless communication problems"	Vladimir Sidorenko (Technical University of Munich) "On interleaved subspace codes correcting packet insertions in networks with random linear coding"	Vladimir Bondarev (The Institute of Information Technologies and Control in Technical Systems, Sevastopol State University) "Neural networks for signal processing and nonlinear system identification"	Ilya Makarov (High School of Economics) "Depth Map Interpolation and Super Resolution using Perceptual Loss"
16:00-16:20	Coffee Break			
16:20-16:50	Alexander Gasnikov b cow Institute of Physics & Technology) "Centralized and decentralized convex optimization"	Gennady Ovechkin (Ryazan State Radio Engineering University) "Multi-threshold decoders for data transmission and storage"	Sergey Chelebaev (Ryasan State Radioelectronique University) "Neural network converters of time-and-frequency parameters of signals in a code"	Boris Novikov (Saint-Petersburg State University) "Scalable Declarative Analytics"
16:50-17:20	Anton Kiryanov (The Institute for Information Transmission Problems, Russian Academy of Science) "Resource Allocation in Future Wi-Fi Networks: Protocol Peculiarities Do Matter"	Pavel Rybin (The Institute for Information Transmission Problems, Russian Academy of Science) "On the Finite Length Analysis of Regular Graph-Based LDPC Codes Error Exponent"	Andrey Turkin (National Research University of Electronic Technology) "Tikhonov regularization for long short-term memory networks"	Igor Bessmertny, Yu Chuqiao (Univertsity of Information Technologies, Mechanics and Optics) "Automatic Chinese Open Relation Extraction"
17:20-17:50	Evgeny Burnaev (Skolkovo Institute of Science and Technology, Data- Intensive Science and Engineering Lab) "Anomaly detection. One-class classification with	Dmitry Shamaev (Bauman State TechnicalUniversity)	Vladislav Lesnikov (Vyatko State University) "Reducing the word length of digital filters due to the redundant number of operations"	Dmitry Vetrov (<i>High School of Economics</i>) "Open Problems in Deep Learning: A Bayesian Solution"
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17:50-18:00	privileged information"		aphic Session Irap-up	